

SILRES BS 1703

CONSTRUCTION MATERIAL WATER REPELLENTS

Product description

SILRES BS 1703 is intended primarily for in-plant water-repellent treatment of fiber-reinforced cement-products, like e.g. fiber-cement board. It significantly reduces the capillary water absorption of the construction materials after setting and reaching equilibrium moisture.

Properties

SILRES BS 1703 is a liquid but waterless oligomeric siloxane of a relatively low viscosity. It is not water-thinable, but intended to be used in water-based construction material processes involving high-shear mixer units, especially for manufacturing fiber-reinforced cement-products, like e.g. fiber-cement board. As an admix additive for the integral water-repellent treatment, it is usually added undiluted into the mixer.

Application

SILRES BS 1703 is added undiluted into the mixer,

usually at dosage levels ranging from 0.1 to 0.3 % by weight based on the overall solids level. For the unimpaired product performance proper mixing into the cement-based slurry is required.

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

Product data

Typical general characteristics	Inspection Method	Value
Appearance and color		clear, colorless
Odor		characteristic
Viscosity, dynamic at 20 °C	DIN 53019	122 mPa.s
Density at 20 °C, at 1013 hPa	not specified	0,95 g/cm ³

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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For technical, quality, or product safety questions, please contact:

Wacker Chemie AG
Hanns-Seidel-Platz 4
81737 München, Germany
info.silicones@wacker.com

www.wacker.com